

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P566545

Luminaire Tested: **4SNX-51SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-51SL-LW-UNV-L850-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

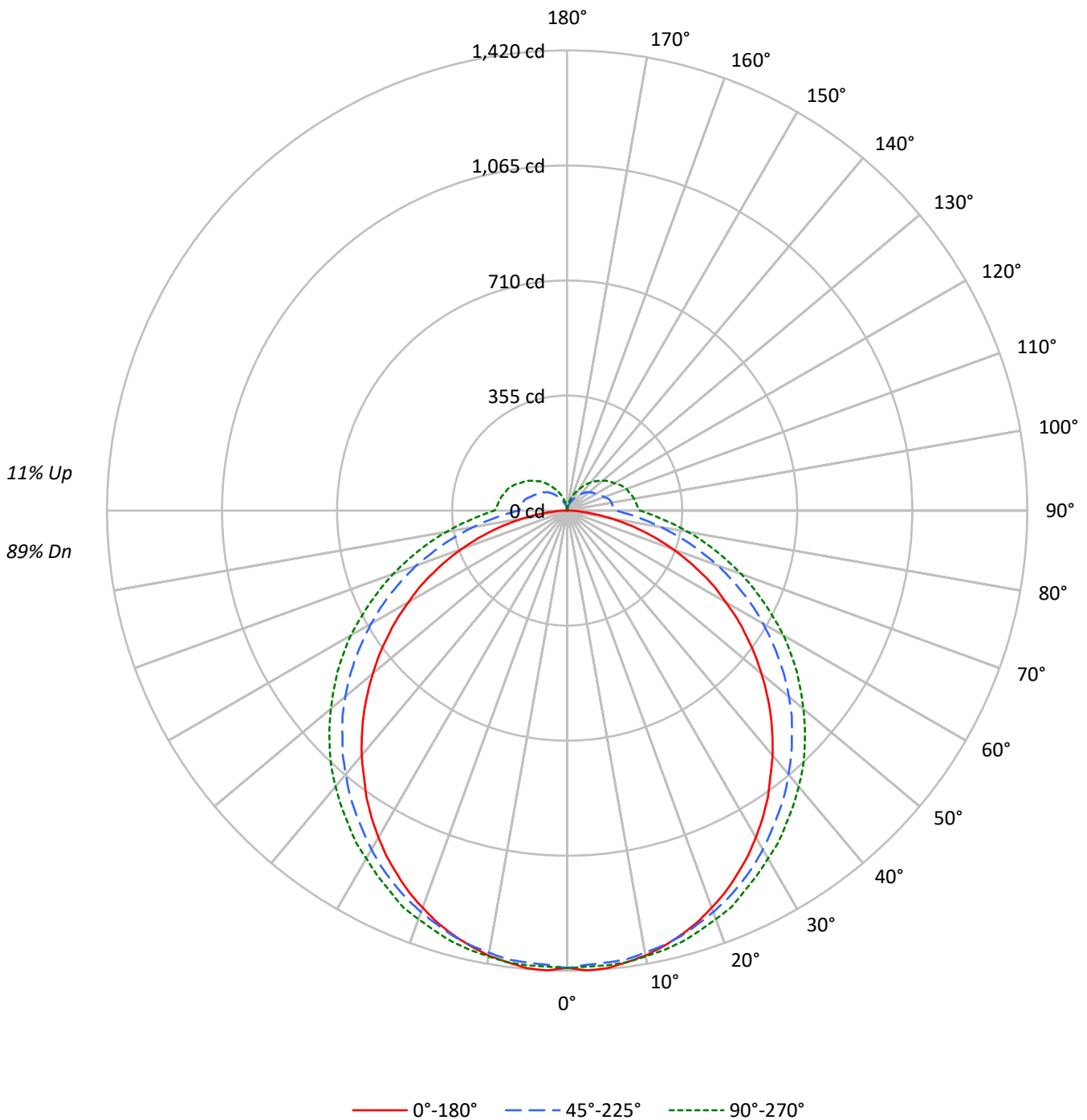
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5025.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 35
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71				
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58				
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49				
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41				
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35				
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31				
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27				
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22				
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15193	15193	15193
5°	15259	14491	14381
10°	15126	13913	13663
15°	14946	13353	13015
20°	14713	12773	12368
25°	14444	12217	11734
30°	14130	11644	11127
35°	13787	11071	10559
40°	13395	10510	10018
45°	12972	9948	9463
50°	12490	9369	8881
55°	11959	8724	8310
60°	11336	8052	7706
65°	10683	7326	7017
70°	9779	6554	6339
75°	8591	5653	5622
80°	6714	4743	4905
85°	4384	3902	4169



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	2.7
10°-20°	385.4	7.7
20°-30°	586.0	11.7
30°-40°	711.3	14.2
40°-50°	751.6	15.0
50°-60°	703.3	14.0
60°-70°	577.1	11.5
70°-80°	396.9	7.9
80°-90°	217.4	4.3
90°-100°	140.0	2.8
100°-110°	125.6	2.5
110°-120°	104.0	2.1
120°-130°	80.1	1.6
130°-140°	56.3	1.1
140°-150°	33.9	0.7
150°-160°	16.2	0.3
160°-170°	5.3	0.1
170°-180°	0.6	0.0
0°-30°	1105.4	22.0
0°-40°	1816.7	36.2
0°-60°	3271.7	65.1
0°-90°	4463.0	88.8
90°-120°	369.5	7.4
90°-150°	539.8	10.7
90°-180°	562.0	11.2
0°-180°	5025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1417	1414	1400	1412	1409	134
15°	1356	1362	1359	1377	1377	382
25°	1240	1254	1269	1295	1295	571
35°	1080	1106	1138	1170	1179	674
45°	888	928	981	1024	1036	684
55°	675	730	797	847	864	604
65°	457	518	597	652	669	452
75°	239	303	390	451	472	251
85°	52	125	212	271	291	61
90°	0	70	148	204	224	4
95°	0	67	143	195	215	0
105°	0	55	134	183	201	2
115°	3	50	114	163	183	3
125°	3	41	96	140	157	3
135°	3	32	79	114	128	2
145°	3	23	55	87	96	2
155°	3	15	35	55	64	1
165°	3	9	18	26	32	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1411.5	1411.5	1411.5	1411.5	1411.5
2.5°	1420.3	1417.4	1402.8	1414.4	1408.6
5°	1417.4	1414.4	1399.9	1411.5	1408.6
7.5°	1405.7	1405.7	1397.0	1408.6	1405.7
10°	1394.1	1394.1	1385.3	1399.9	1397.0
12.5°	1376.6	1379.5	1373.7	1391.2	1388.3
15°	1356.2	1362.1	1359.1	1376.6	1376.6
17.5°	1333.0	1338.8	1338.8	1359.1	1359.1
20°	1303.9	1312.6	1318.4	1341.7	1341.7
22.5°	1274.7	1286.4	1295.1	1315.5	1324.2
25°	1239.8	1254.4	1268.9	1295.1	1295.1
27.5°	1204.9	1222.4	1239.8	1266.0	1268.9
30°	1164.2	1184.5	1207.8	1234.0	1239.8
32.5°	1123.4	1149.6	1172.9	1204.9	1213.6
35°	1079.8	1105.9	1138.0	1170.0	1178.7
37.5°	1030.3	1062.3	1103.0	1138.0	1146.7
40°	986.6	1021.5	1062.3	1103.0	1111.8
42.5°	937.1	975.0	1024.5	1062.3	1076.8
45°	887.7	928.4	980.8	1024.5	1036.1
47.5°	835.3	881.8	940.1	980.8	995.3
50°	782.9	832.4	893.5	940.1	951.7
52.5°	730.5	782.9	846.9	893.5	908.0
55°	675.2	730.5	797.4	846.9	864.4
57.5°	622.8	678.1	748.0	800.4	817.8
60°	564.6	628.6	698.5	750.9	771.3
62.5°	515.1	573.3	649.0	701.4	718.9
65°	456.9	518.0	596.6	651.9	669.4
67.5°	401.6	465.7	544.2	602.4	619.9
70°	346.3	410.4	494.8	550.1	570.4
72.5°	291.0	358.0	439.5	500.6	521.0
75°	238.7	302.7	390.0	451.1	471.5
77.5°	183.4	253.2	340.5	401.6	424.9
80°	133.9	206.6	293.9	355.1	378.3
82.5°	90.2	163.0	250.3	311.4	334.7
85°	52.4	125.1	212.5	270.7	291.0
87.5°	26.2	96.0	177.5	235.7	256.1
90°	0.0	69.8	148.4	203.7	224.1
92.5°	0.0	66.9	145.5	197.9	218.3
95°	0.0	66.9	142.6	195.0	215.4
97.5°	0.0	64.0	139.7	195.0	212.5
100°	0.0	61.1	139.7	192.1	209.5
102.5°	0.0	58.2	136.8	189.2	206.6
105°	0.0	55.3	133.9	183.4	200.8
107.5°	2.9	55.3	128.1	180.4	197.9
110°	2.9	52.4	122.2	177.5	195.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	49.5	116.4	171.7	189.2
115°	2.9	49.5	113.5	163.0	183.4
117.5°	2.9	46.6	107.7	157.2	177.5
120°	2.9	46.6	104.8	151.3	168.8
122.5°	2.9	43.7	99.0	145.5	163.0
125°	2.9	40.7	96.0	139.7	157.2
127.5°	2.9	37.8	93.1	133.9	151.3
130°	2.9	34.9	87.3	128.1	142.6
132.5°	2.9	34.9	84.4	119.3	136.8
135°	2.9	32.0	78.6	113.5	128.1
137.5°	2.9	29.1	72.8	107.7	122.2
140°	2.9	26.2	66.9	101.9	113.5
142.5°	2.9	26.2	61.1	93.1	104.8
145°	2.9	23.3	55.3	87.3	96.0
147.5°	2.9	20.4	49.5	78.6	87.3
150°	2.9	20.4	43.7	69.8	78.6
152.5°	2.9	17.5	37.8	64.0	72.8
155°	2.9	14.6	34.9	55.3	64.0
157.5°	2.9	14.6	29.1	46.6	55.3
160°	2.9	11.6	26.2	37.8	46.6
162.5°	2.9	11.6	23.3	32.0	40.7
165°	2.9	8.7	17.5	26.2	32.0
167.5°	2.9	8.7	14.6	20.4	26.2
170°	2.9	5.8	11.6	14.6	20.4
172.5°	2.9	5.8	8.7	8.7	8.7
175°	2.9	2.9	5.8	5.8	2.9
177.5°	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)